

VOLCANICLASTIC SEDIMENTATION

Edited by:

R. CAS

Monash University, Department of Earth Sciences, Clayton, Vic. 3168, Australia

and

C. BUSBY-SPERA

University of California, Department of Geological Sciences, Santa Barbara, CA 93106, USA

Contents

Preface	1
<i>Primary volcanoclastic rocks</i>	
Morphological and sedimentological characteristics of the Neogene submarine coherent lavas and hyaloclastites in South-west Hokkaido, Japan H. Yamagishi (Sapporo, Japan)	5
The distal and terrestrial record of explosive rhyolitic volcanism: an example from Auckland, New Zealand C. Leah Moore (Auckland, New Zealand)	25
Facies analysis of an ancient, dismembered, large caldera complex and implications for intra-arc subsidence: Middle Jurassic strata of Cobre Ridge, southern Arizona, USA N.C. Riggs (Flagstaff, Ariz., USA) and C.J. Busby-Spera (Santa Barbara, Calif., USA)	39
<i>Primary to secondary volcanoclastics</i>	
Contrasting lithofacies architecture in ring-plain deposits related to edifice construction and destruction, the Quaternary Stratford and Opunake Formations, Egmont Volcano, New Zealand B.A. Palmer (Moscow, Idaho, USA) and V.E. Neall, Palmerston North, New Zealand)	71
Post-eruption sedimentation on the margin of a caldera lake, Taupo Volcanic Centre, New Zealand R.C.M. Smith (Auckland, New Zealand)	89
The influence of ephemeral processes on pyroclastic sedimentation in a rift-basin, volcanoclastic-alluvial sequence, Española basin, New Mexico B.N. Turbeville (Austin, Texas, USA)	139
Triassic volcanogenic sediments from the Southern Alps (Italy, Austria, Yugoslavia)—a contribution to the "Pietra verde" problem J.H. Obenholzer (Leoben, Austria)	157
Fluvio-lacustrine sedimentation and volcanism in a Late Carboniferous tensional intra-arc basin, northern Chile C. Breitzkreuz (Berlin, FRG)	173
Depositional controls and characteristics of subaqueous bedded volcanoclastics of the Lower Devonian Snowy River Volcanics S.W. Bull and R.A.F. Cas (Clayton, Vic., Australia)	189
A shallow marine volcanoclastic facies model: an example from sedimentary rocks bounding the subaqueously welded Ordovician Garth Tuff, North Wales, UK W.J. Fritz (Atlanta, Ga., USA) and M.F. Howells (Aberystwyth, UK)	217
Theoretical wave modeling of large wave ripples in volcanoclastic sediments, Ordovician Llewellyn Volcanic Group, North Wales W.J. Fritz (Atlanta, Ga., USA)	241
Emergence of subaqueous depositional environments in advance of a major ignimbrite eruption, Capel Curig Volcanic Formation, Ordovician, North Wales—an example of regional volcanotectonic uplift? G.J. Orton (Clayton, Vic., Australia)	251
<i>Regional aspects</i>	
Oceanic island arc stratigraphy in the Caribbean region: don't take it for granite D.K. Larue, A.L. Smith and J.H. Schellekens (Mayaguez, P.R., USA)	289
Volcanoclastic sedimentation in a shallow-water marginal basin: the Early Miocene Koura Formation, SW Japan K. Kano (Tsukuba, Japan)	309

Relationship between tectonics, volcanism, sedimentation and basin development, Late Cenozoic, central part of Northern Honshu, Japan	
H. Sato and K. Amano (Mito, Japan)	323
Geology of the Deer Butte Formation, Malheur County, Oregon: faulting, sedimentation and volcanism in a post-caldera setting	
M.L. Cummings (Portland, Ore., USA)	345

